

PILOT and CERCLIS AERIAL RADIOLOGICAL SURVEY

Polk and Hillsborough County, Florida

IAG DW-89-94596001-0

Monthly Report for Period of Performance: Feb 1, 2005 – Mar 1, 2005

Date Prepared: March 10, 2005

Objective:

The purpose of this Statement of Work (SOW) is to outline the approach for a "Pilot Study." The study will aid in the development of a process and criteria, with which to assess the potential for human exposure to excess levels of radiation [and radon gas] to individuals residing in dwellings constructed over formerly mined phosphate lands in Central Florida. Background information used to develop this SOW is summarized in the *"Draft, Florida Phosphate Initiative, Summary of Information, U.S. Environmental Protection Agency, Region 4, Waste Management Division, South Site Management Branch, September 2003"*.

The SOW provides direction to the U.S. Department of Energy (DOE), National Nuclear Security Administration, Nevada Site Office (NNSA/NSO) to provide technical support to the U.S. Environmental Protection Agency (EPA) via an Interagency Agreement (IAG). The goal of this project is to document the terrestrial radiological conditions and map the spatial extent and degree of elevated radiation due to phosphate mining operations in Central Florida. Please refer to section 3.0 titled 'Scope of Work' in the Statement of Works for Phase I and for Phases II and III.

Phase 2: Data Acquisition

Bechtel Nevada Support for February 2005:

- Provide technical assistance to the EPA, as required, to support preparations for the aerial radiation survey and discussions Florida regulatory agencies.
- Continue development of a new work plan for the aerial radiation survey of the CERCLIS phosphate mine lands.
- Supplied customer with the proposed survey schedule, including 'drop-dead' dates for planning initiation and receipt of funding.
- Transferred \$35,000 to ANL

Bechtel Nevada Expected Support for March 2005:

- Continuing minor planning and preparations for Florida EPA survey.
- Awaiting word from customer that survey will commence in April before making preparations that require financial commitments.



Argonne National Laboratory Support for February 2005:

- Provided technical assistance to the EPA in support of aerial radiation survey and discussions with Florida regulatory agencies.
- Participated in project review meeting in Montgomery, Alabama, with the EPA, Florida regulatory agencies, and the U.S. Army Corps of Engineers.
- Completed development of secure internet website for restricted access to selected project related documents and communications.
- Submitted draft CERCLIS sites aerial survey work plan to the EPA for review and approval.

Argonne National Laboratory Expected Support for March 2005:

- Technical assistance to the EPA, as required, in support of aerial radiation survey and discussions with Florida regulatory agencies.
- Maintenance and additions to secure internet website.
- Completion and printing of approved CERCLIS sites aerial survey work plan.

Phase 3: Reporting of Survey Results

N/A

Revised Schedule:

This preliminary schedule assumes the field work will not begin until FY05. It is based on the currently expected number of report review cycles and editing requirements. All work for others is accomplished on a non-interference basis with the primary NNSA mission. Project and task schedules may be adjusted as a result.

Preliminary pilot study results and products will be delivered as they become available. The final pilot study report and GIS products will be delivered on November 1, 2005.

March 8, 2004	Funds Received at NNSA/NSO
March 19, 2004	Working draft of work plan to EPA
March 22, 2004	Pre-survey planning and logistics Travel to FLA
March 26, 2004	Travel team returns to point of origin
April 1, 2004	EPA comments on working draft back to RSL
April 12, 2004	Final draft of Work Plan to EPA
February 16, 2005	Revised draft of Work Plan to EPA (to include CERCLIS sites)
March 4, 2005	Final Day to Initiate Planning for Survey
April 4, 2005	Final Day for funds to be received to complete survey on schedule
April 11, 2005	Equipment checks at RSL-Nellis
April 17, 2005	RSL deploys survey team to FLA
April 20, 2005	Survey Flights begin
June 1, 2005	Survey Flights complete
September 1, 2005	RSL analysis complete, deliver GIS products to ANL and EPA
October 1, 2005	ANL completes draft of report and deliverables
October 15, 2005	Review cycle of draft deliverables complete
November 1, 2005	ANL provides final draft of report and deliverables

Table 1. This is a preliminary critical path schedule. A delay in any date above will result in a delay of equal interval in all of the dates that follow it.

Anticipated and Encountered Problem Areas:

N/A

Variance:

None.

Draft Internal Document – Not for Release

Financial Schedule Status for Phase II:

Total Received: \$750,000

Bechtel Nevada:

Month	Amount Allocated	Labor	ODC	Other*	Total Spent	Commit.	Balance
Pre FY2005	\$540,000						
Less DOE Fees:	\$504,673						
Pre Feb 2005					\$103,088		
Feb 2005		\$5,624	\$0	\$20,870	\$26,4947	\$26,537	\$348,554

*Other costs reflect partial transfer of funds (\$35k) to ANL

Argonne National Laboratory:

Month	Amount Allocated	Labor	ODC	Gen. Admin.	Total Spent	Commit.	Balance
Pre FY2005	\$210,000						
Pre Feb 2005		\$140,300	\$12,888	\$36,688	\$189,876		
Feb 2005		\$11,232	\$4,206	\$3,782	\$19,220		\$904

ANL numbers include 7% DOE fee.

Note: The Bechtel Nevada numbers differ from previously reported numbers. Researching the cost reports showed that balance remaining is \$375,091, which does not include the \$26k commitment shown above. This commitment represents part of the \$35k that was transferred to ANL. There is on-going deliberation on how this transfer will be handled. Deliberations are currently in progress, and when concluded, the amount of the commitment should drop.